



State of Utah

JON M. HUNTSMAN, JR.
Governor

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Lieutenant Governor

Department of
Environmental Quality

William J. Sinclair
Acting Executive Director

DIVISION OF AIR QUALITY
Cheryl Heying
Director

DAQE-IN0140310002-09

February 18, 2009

Scott Bigler
Peak Construction Materials
9547 South 500 West
Sandy, UT 84070

Dear Mr. Bigler:

Re: Intent to Approve: Modification to Approval Order DAQE-AN0140310001-08 to Add
Equipment; Tooele County; CDS B; Attainment Area, NSPS (Part 60)
Project Number: N014031-0002

The attached document is the Intent to Approve for the above-referenced project. The Intent to Approve is subject to public review. Any comments received shall be considered before an Approval Order is issued. The Division of Air Quality is authorized to charge a fee for reimbursement of the actual costs incurred in the issuance of an Approval Order. An invoice will follow upon issuance of the final Approval Order.

Future correspondence on this Intent to Approve should include the engineer's name as well as the DAQE number as shown on the upper right-hand corner of this letter. The project engineer for this action is Mr. Alan Humpherys, who may be reached at (801) 536-4142.

Sincerely,

Ty L. Howard, Manager
New Source Review Section

TLH:AH:sa

cc: Tooele County Health Department

STATE OF UTAH

Department of Environmental Quality

Division of Air Quality

**INTENT TO APPROVE: Modification to Approval Order
DAQE-AN0140310001-08 to Add Equipment**

Prepared By: Mr. Alan Humpherys, Engineer

Phone: (801) 536-4142

Email: ahumpherys@utah.gov

INTENT TO APPROVE NUMBER

DAQE-IN0140310002-09

Date: February 18, 2009

Stockton Aggregate Plant

Source Contact:

Mr. Scott Bigler, Vice President

Phone: (801) 255-3580

**Ty L. Howard, Manager
New Source Review Section
Utah Division of Air Quality**

ABSTRACT

Peak Construction Materials has requested a modification to their AO to add a screen and to replace an existing VSI crusher with a new VSI crusher. The source is located in Tooele County. The part of Tooele County that the source is located in is an attainment area of the NAAQS for all pollutants. NSPS Subparts A and OOO apply to this source. This source is considered a Title V area source.

There will be a 0.05 tons per year increase in PM_{10} emissions.

The changes in emissions will result in the following, in tons per year, potential to emit totals: PM_{10} = 16.41

The NOI for the above-referenced project has been evaluated and has been found to be consistent with the requirements of UAC R307. Air pollution producing sources and/or their air control facilities may not be constructed, installed, established, or modified prior to the issuance of an AO by the Executive Secretary of the Utah Air Quality Board.

A 30-day public comment period will be held in accordance with UAC R307-401-7. A notification of the intent to approve will be published in the Tooele Transcript on February 19, 2009. During the public comment period the proposal and the evaluation of its impact on air quality will be available for the public to review and provide comment. If anyone so requests a public hearing, it will be held in accordance with UAC R307-401-7. The hearing will be held as close as practicable to the location of the source. Any comments received during the public comment period and the hearing will be evaluated. The proposed conditions of the AO may be changed as a result of the comments received.

Name of Permittee:

Peak Construction Materials
9547 South 500 West
Sandy, UT 84070

Permitted Location:

Peak Construction Materials: Stockton
Aggregate Plant
555 North Highway 36
Stockton, UT

UTM coordinates: 385,060 m Easting, 4,479,880 m Northing

SIC code: 1442 (Construction Sand & Gravel)

Section I: GENERAL PROVISIONS

- I.1 All definitions, terms, abbreviations, and references used in this AO conform to those used in the UAC R307 and 40 CFR. Unless noted otherwise, references cited in these AO conditions refer to those rules. [R307-101]
- I.2 The limits set forth in this AO shall not be exceeded without prior approval. [R307-401]
- I.3 Modifications to the equipment or processes approved by this AO that could affect the emissions covered by this AO must be reviewed and approved. [R307-401-1]

- I.4 All records referenced in this AO, which are required to be kept by the owner/operator, shall be made available to the Executive Secretary or Executive Secretary's representative upon request, and the records shall include the two-year period prior to the date of the request. Records shall be kept for a minimum of five (5) years. [R307-150-1]
- I.5 At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any equipment approved under this AO, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Executive Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. All maintenance performed on equipment authorized by this AO shall be recorded. [R307-401-4]
- I.6 The owner/operator shall comply with R307-150 Series. Inventories, Testing and Monitoring. [R307-150]
- I.7 The owner/operator shall comply with UAC R307-107. General Requirements: Unavoidable Breakdowns. [R307-107]

Section II: SPECIAL PROVISIONS

II.A The approved installations shall consist of the following equipment:

- II.A.1 **Aggregate Processing Plant**
- II.A.2 **One (1) VSI Crusher**
Maximum Capacity: 700 tons per hour
- II.A.3 **Two (2) Cone Crushers**
Maximum Capacity: 700 tons per hour each
- II.A.4 **Two (2) Triple Deck Screens**
Size: 6' x 20' each
- II.A.5 **One (1) Triple Deck Screen**
Size: 8' x 20'
- II.A.6 **One (1) Wet Screen**
Size: 7' x 20'
- II.A.7 **One (1) Single Screw Washer**
Size: 66"
- II.A.8 **One (1) Twin Screw Washer**
Size: 44"

II.A.9 Various Conveyors and Feeders

II.A.10 Main Aggregate Plant

Equipment in the Main Aggregate Plant: includes Two (2) Triple Deck Screens, Various Conveyors and Feeders, One (1) VSI Crusher, Two (2) Cone Crushers, One (1) Triple Deck Screen

II.A.11 Wash Plant

Equipment in the Wash Plant: includes One (1) Twin Screw Washer, One (1) Wet Screen, Various Conveyors and Feeders, One (1) Single Screw Washer

II.B Requirements and Limitations

II.B.1 The Aggregate Processing Plant shall be subject to the following

II.B.1.a The owner/operator shall notify the Executive Secretary in writing when the installation of the new VSI Crusher and the 8' x 20' Screen has been completed and is operational. To ensure proper credit when notifying the Executive Secretary, send your correspondence to the Executive Secretary, attn: Compliance Section.

If the construction and/or installation has not been completed within 18 months from the date of this AO, the Executive Secretary shall be notified in writing on the status of the construction and/or installation. At that time, the Executive Secretary shall require documentation of the continuous construction and/or installation of the operation and may revoke the AO.
[R307-401-18]

II.B.1.b The main aggregate processing plant shall not produce more than 1,500,000 tons of aggregate material per rolling 12-month period. [R307-401]

II.B.1.b.1 Unless otherwise specified in this AO, to determine compliance with a rolling 12-month total, the owner/operator shall calculate a new 12-month total by the twentieth day of each month using data from the previous 12 months. Records of production shall be kept for all periods when the plant is in operation. Production shall be determined by sales records or scale records. The records of production shall be kept on a daily basis. Hours of operation shall be determined by supervisor monitoring and maintaining of an operations log. [R307-401]

II.B.1.c The owner/operator shall not produce more than 600 tons aggregate material per hour.
[R307-401]

II.B.1.d The owner/operator shall not load into haul trucks and haul off site more than 300 tons of aggregate material per hour. [R307-401]

II.B.1.e The owner/operator shall process aggregate material through the aggregate plant only between the hours of 7:00 am to 5:00 pm each day from November 1, thru February 28, and 6:00 am to 7:00 pm each day for all other days in the year. [R307-401]

- II.B.1.f The owner/operator shall haul aggregate material off site only between the hours of 8:00 am to 6:00 pm each day from November 1, thru February 28, and 6:00 am to 7:00 pm each day for all other days in the year. [R307-401]
- II.B.1.g Unless otherwise specified in this AO, the owner/operator shall conduct its production operations on site only between the hours of 6:00 am to 7:00 pm each day. [R307-401]
- II.B.1.h Unless otherwise specified in this AO, the owner/operator shall not allow visible emissions from any source on site to exceed 20 percent opacity. [R307-201]
- II.B.1.h.1 Unless otherwise specified in this AO, opacity observations of emissions from stationary sources shall be conducted according to 40 CFR 60, Appendix A, Method 9. [R307-201]

II.B.2 **The Bulldozing Operations on site shall be subject to the following**

- II.B.2.a The hours of operation for all bulldozers at the facility shall not exceed 500 hours combined per rolling 12-month period. [R307-401]
- II.B.2.a.1 To determine compliance with a rolling 12-month total, the owner/operator shall calculate a new 12-month total by the twentieth day of each month using data from the previous 12 months. The hours of operation of each bulldozer shall be added together to determine the total hours. Hours of operation shall be determined by supervisor monitoring and maintaining of an operations log. [R307-401]

II.B.3 **All Paved Haul Roads on site shall be subject to the following**

- II.B.3.a The owner/operator shall sweep and flush with water all the paved haul roads on site to maintain opacity limits listed in this AO. [R307-401]
- II.B.3.a.1 Records of sweeping and water application shall be kept for all periods when the plant is in operation. The records shall include the following items:
 - A. Date and time treatments were made
 - B. Number of treatments made and quantity of water applied. [R307-401]

II.B.4 **All Unpaved Haul Roads on site shall be subject to the following**

- II.B.4.a The owner/operator shall cover all unpaved haul roads with road base material and shall use water application to maintain opacity limits listed in this AO. [R307-401]

- II.B.4.a.1 Records of water application shall be kept for all periods when the plant is in operation. The records shall include the following items:
 - A. Date and time treatments were made
 - B. Number of treatments made and quantity of water applied. [R307-401]

- II.B.5 **All Haul Roads and Sources of Fugitive Dust on site shall be subject to the following**
 - II.B.5.a The owner/operator shall not allow visible emissions from haul roads and fugitive dust sources to exceed 20 percent opacity on site. [R307-205]

 - II.B.5.a.1 Visible emission determinations for fugitive dust emissions from haul-road traffic and mobile equipment in operational areas shall use procedures similar to Method 9. The normal requirement for observations to be made at 15-second intervals over a six-minute period, however, shall not apply. Visible emissions shall be measured at the densest point of the plume but at a point not less than 1/2 vehicle length behind the vehicle and not less than 1/2 the height of the vehicle. [R307-201]

 - II.B.5.b The owner/operator shall apply water treatment or chemical dust suppression treatment on all areas on site disturbed by mobile equipment to control fugitive dust emissions. Application shall be applied to ensure the opacity limits listed in this AO are not exceeded. [R307-205]

 - II.B.5.b.1 Records of water and/or chemical treatment shall be kept for all periods when the plant is in operation. The records shall include the following items:
 - A. Date and time treatments were made
 - B. Number of treatments made, dilution ratio, and quantity applied
 - C. Rainfall amount received, if any
 - D. Records of temperature if the temperature is below freezing. [R307-205]

 - II.B.5.c The owner/operator shall spray with water all storage piles on site to control fugitive emissions. Spraying shall occur as needed to ensure the opacity limits listed in this AO are not exceeded. [R307-401]

 - II.B.5.d The owner/operator shall conduct its operations in such a way to minimize fugitive dust and fugitive emissions and shall abide by all applicable requirements of R307-205. [R307-205]

 - II.B.6 **All Crushers on site shall be subject to the following**
 - II.B.6.a The owner/operator shall not allow visible emissions from any crusher on site to exceed 15 percent opacity. [40 CFR 60 Subpart OOO]

- II.B.6.b The owner/operator shall install water sprays or chemical dust suppression sprays on all crushers on site to control fugitive emissions. Sprays shall operate as required to ensure the opacity limits listed in this AO are not exceeded. [R307-401]

- II.B.7 **All Screens on site shall be subject to the following**
- II.B.7.a The owner/operator shall not allow visible emissions from any aggregate screen on site to exceed 10 percent opacity. [40 CFR 60 Subpart OOO]
- II.B.7.b The owner/operator shall not allow any visible emissions from any wet screens on site. [40 CFR 60 Subpart OOO]
- II.B.7.c The owner/operator shall install water sprays or chemical dust suppression sprays on all screens on site not processing saturated material to control fugitive emissions. Sprays shall operate as required to ensure the opacity limits listed in this AO are not exceeded. [R307-401]

- II.B.8 **All Conveyors on site shall be subject to the following**
- II.B.8.a The owner/operator shall not allow visible emissions from any conveyor transfer point on site to exceed 10 percent opacity. [40 CFR 60 Subpart OOO]
- II.B.8.b The owner/operator shall not allow any visible emissions from any conveyor on site that processes saturated material. [40 CFR 60 Subpart OOO]
- II.B.8.c The owner/operator shall not allow visible emissions from any conveyor drop point on site to exceed 20 percent opacity. [R307-205]
- II.B.8.d The owner/operator shall install water sprays or chemical dust suppression sprays on all unenclosed conveyor transfer points on site not processing saturated material to control fugitive emissions. Sprays shall operate as required to ensure the opacity limits listed in this AO are not exceeded. [R307-401]

- II.B.9 **All Crushers, Screens, and Conveyors on site shall be subject to the following**
- II.B.9.a Initial visible observations of opacity shall be conducted for all crushers, screens, and conveyor transfer points on site. Observations shall meet the opacity limitations listed in this AO. [40 CFR 60 Subpart OOO]
- II.B.9.a.1 Initial visible emission observations of opacity shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9. Initial visible emission observations shall consist of 30 observations of six minutes each in accordance with 40 CFR 60.11(b). The duration of observations may be reduced to comply with 40 CFR 60.675(c)(3) or 40 CFR 60.675(c)(4). A certified observer must be used for these observations. [40 CFR 60 Subpart OOO]

- II.B.9.b The owner/operator shall abide by all applicable provisions of 40 CFR 60, NSPS Subpart A (General Provisions), 40 CFR 60.1 to 60.18 and Subpart OOO (Standards of Performance for Nonmetallic Mineral Processing Plants), 40 CFR 60.670 to 60.676 for all crushers, screens, and conveyor transfer points on site. [40 CFR 60 Subpart OOO]

Section III: APPLICABLE FEDERAL REQUIREMENTS

In addition to the requirements of this AO, all applicable provisions of the following federal programs have been found to apply to this installation. This AO in no way releases the owner or operator from any liability for compliance with all other applicable federal, state, and local regulations including UAC R307.

NSPS (Part 60), OOO: Nonmetallic Mineral Processing Plants
NSPS (Part 60), A: General Provisions

PERMIT HISTORY

The final AO will be based on the following documents:

Supersedes

DAQE-AN0140310001-08 dated December 22, 2008

ACRONYMS

The following lists commonly used acronyms and their associated translations as they apply to this document:

40 CFR	Title 40 of the Code of Federal Regulations
AO	Approval Order
ATT	Attainment Area
BACT	Best Available Control Technology
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CDS	Classification Data System (used by EPA to classify sources by size/type)
CEM	Continuous emissions monitor
CEMS	Continuous emissions monitoring system
CFR	Code of Federal Regulations
CO	Carbon monoxide
COM	Continuous opacity monitor
DAQ	Division of Air Quality (typically interchangeable with UDAQ)
DAQE	This is a document tracking code for internal UDAQ use
EPA	Environmental Protection Agency
HAP or HAPs	Hazardous air pollutant(s)
ITA	Intent to Approve
MACT	Maximum Achievable Control Technology
NAA	Nonattainment Area
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emission Standards for Hazardous Air Pollutants
NOI	Notice of Intent
NO _x	Oxides of nitrogen
NSPS	New Source Performance Standard
NSR	New Source Review
PM ₁₀	Particulate matter less than 10 microns in size
PM _{2.5}	Particulate matter less than 2.5 microns in size
PSD	Prevention of Significant Deterioration
R307	Rules Series 307
R307-401	Rules Series 307 - Section 401
SO ₂	Sulfur dioxide
Title IV	Title IV of the Clean Air Act
Title V	Title V of the Clean Air Act
UAC	Utah Administrative Code
UDAQ	Utah Division of Air Quality (typically interchangeable with DAQ)
VOC	Volatile organic compounds